

Patent Claims:

- 1 1. Gas turbine component, namely static gas turbine component,
2 especially for an aircraft engine, characterized in that
3 the same is formed at least region-wise of metal foam.
 - 1 2. Gas turbine component according to claim 1, characterized
2 in that the same forms a housing structure (19, 24, 26).
 - 1 3. Gas turbine component according to claim 2, characterized
2 in that, the housing structure (19, 24, 26) is formed at
3 least region-wise or section-wise of metal foam (20),
4 whereby the section or region of the housing structure
5 formed of metal foam is connected with at least one section
6 or region embodied as a carrier.
 - 1 4. Gas turbine component according to claim 3, characterized
2 in that the section or region formed of metal foam (20) is
3 positioned in a sandwich-like manner between two
4 plate-shaped carriers (21, 25) and connected therewith.
 - 1 5. Gas turbine component according to claim 1, characterized
2 in that the same forms an intake lining (27, 31, 32, 34).

1 6. Gas turbine component according to claim 5, characterized
2 in that the intake lining (27, 31, 32, 34) of metal foam
3 (28) is fixedly or rigidly connected with at least one
4 carrier (29).

1 7. Gas turbine component according to claim 6, characterized
2 in that the or each carrier (29) comprises openings or
3 bored holes (35), and that the metal foam (20) of the
4 intake lining (34) is embodied open-pored, so that both the
5 or each carrier as well as the metal foam can be
6 flowed-through for the cooling thereof.

1 8. Gas turbine component according to claim 1, characterized
2 in that the same forms a pipe line system (38, 41, 42,
3 44, 47).

1 9. Gas turbine component according to claim 8, characterized
2 in that the pipe line system (38, 41, 42, 44, 47) is formed
3 by at least one closed-walled pipe (39), whereby the or
4 each pipe (39) is surrounded by metal foam (40).

1 10. Gas turbine component according to claim 8 or 9,
2 characterized in that the pipe line system (38, 41, 42, 44)
3 comprises a closed-walled pipe (39) which is surrounded by
4 metal foam.

1 11. Gas turbine component according to claim 9 or 10,
2 characterized in that a securing means (43) is integrated
3 in the metal foam (40).

1 12. Gas turbine component according to claim 10, characterized
2 in that the pipe (39) is embodied double-walled, whereby
3 metal foam (40) is arranged between the two concentric
4 closed pipe walls (45, 46).